

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

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 YUE, Henry
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 LU, Dyung Aina M.
 AZIMZAI, Yalda

<120> NEURON-ASSOCIATED PROTEINS

<130> PF-0637 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/210,083; unassigned; 60/119,365; 60/124,687

<151> 1998-12-11; 1998-12-11; 1999-02-09; 1999-03-16

<160> 56

<170> PERL Program

<210> 1

<211> 198

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2417014CD1

<400> 1

Met	Ala	Gly	Ser	Pro	Ser	Arg	Ala	Ala	Gly	Arg	Arg	Leu	Gln	Leu
1				5					10					15
Pro	Leu	Leu	Cys	Leu	Phe	Leu	Gln	Gly	Ala	Thr	Ala	Val	Leu	Phe
				20					25					30
Ala	Val	Phe	Val	Arg	Tyr	Asn	His	Lys	Thr	Asp	Ala	Ala	Leu	Trp
				35					40					45
His	Arg	Ser	Asn	His	Ser	Asn	Ala	Asp	Asn	Glu	Phe	Tyr	Phe	Arg
				50					55					60
Tyr	Pro	Lys	Glu	Ser	His	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Arg
				65					70					75
Arg	Asn	Leu	Gly	Ser	Leu	Gln	Pro	Ser	Pro	Pro	Arg	Trp	Ser	Phe
				80					85					90
Ala	Leu	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	His	Asn	Leu	Gly	Ser
				95					100					105
Pro	Gln	Pro	Leu	Pro	Pro	Gly	Phe	Lys	Arg	Phe	Ser	Cys	Leu	Ser
				110					115					120
Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Ser	Leu	Glu	Ser	Val	Phe	Pro	Leu

	125		130		135
Ile Ala Glu Gly	Gln Arg Ser Ala Thr	Ser Gln Ala Met His	Gln		
	140		145		150
Leu Phe Gly Leu	Phe Val Thr Leu Met	Phe Ala Ser Val Gly	Gly		
	155		160		165
Gly Leu Gly Gly	Leu Leu Leu Lys Leu	Pro Phe Leu Asp Ser	Pro		
	170		175		180
Pro Arg Leu Pro	Ala Leu Arg Gly Pro	Ser Ser Leu Ala Gly	Ala		
	185		190		195
Trp Arg Ala					

<210> 2

<211> 463

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2634931CD1

<400> 2

Met His Gly Ser Cys Ser Phe Leu Met	Leu Leu Leu Pro Leu Leu	
1	5	10 15
Leu Leu Leu Val Ala Thr Thr Gly Pro	Val Gly Ala Leu Thr Asp	
	20	25 30
Glu Glu Lys Arg Leu Met Val Glu Leu	His Asn Leu Tyr Arg Ala	
	35	40 45
Gln Val Ser Pro Thr Ala Ser Asp Met	Leu His Met Arg Trp Asp	
	50	55 60
Glu Glu Leu Ala Ala Phe Ala Lys Ala	Tyr Ala Arg Gln Cys Val	
	65	70 75
Trp Gly His Asn Lys Glu Arg Gly Arg	Gly Glu Asn Leu Phe	
	80	85 90
Ala Ile Thr Asp Glu Gly Met Asp Val	Pro Leu Ala Met Glu Glu	
	95	100 105
Trp His His Glu Arg Glu His Tyr Asn	Leu Ser Ala Ala Thr Cys	
	110	115 120
Ser Pro Gly Gln Met Cys Gly His Tyr	Thr Gln Val Val Trp Ala	
	125	130 135
Lys Thr Glu Arg Ile Gly Cys Gly Ser	His Phe Cys Glu Lys Leu	
	140	145 150
Gln Gly Val Glu Glu Thr Asn Ile Glu	Leu Leu Val Cys Asn Tyr	
	155	160 165
Glu Pro Pro Gly Asn Val Lys Gly Lys	Arg Pro Tyr Gln Glu Gly	
	170	175 180
Thr Pro Cys Ser Gln Cys Pro Ser Gly	Tyr His Cys Lys Asn Ser	
	185	190 195
Leu Cys Glu Pro Ile Gly Ser Pro Glu	Asp Ala Gln Asp Leu Pro	
	200	205 210
Tyr Leu Val Thr Glu Ala Pro Ser Phe	Arg Ala Thr Glu Ala Ser	
	215	220 225
Asp Ser Arg Lys Met Gly Thr Pro Ser	Ser Leu Ala Thr Gly Ile	
	230	235 240
Pro Ala Phe Leu Val Thr Glu Val Ser	Gly Ser Leu Ala Thr Lys	

	245		250		255
Ala Leu Pro Ala Val Glu Thr Gln Ala Pro Thr Ser Leu Ala Thr					
	260		265		270
Lys Asp Pro Pro Ser Met Ala Thr Glu Ala Pro Pro Cys Val Thr					
	275		280		285
Thr Glu Val Pro Ser Ile Leu Ala Ala His Ser Leu Pro Ser Leu					
	290		295		300
Asp Glu Glu Pro Val Thr Phe Pro Lys Ser Thr His Val Pro Ile					
	305		310		315
Pro Lys Ser Ala Asp Lys Val Thr Asp Lys Thr Lys Val Pro Ser					
	320		325		330
Arg Ser Pro Glu Asn Ser Leu Asp Pro Lys Met Ser Leu Thr Gly					
	335		340		345
Ala Arg Glu Leu Leu Pro His Ala Gln Glu Glu Ala Glu Ala Glu					
	350		355		360
Ala Glu Leu Pro Pro Ser Ser Glu Val Leu Ala Ser Val Phe Pro					
	365		370		375
Ala Gln Asp Lys Pro Gly Glu Leu Gln Ala Thr Leu Asp His Thr					
	380		385		390
Gly His Thr Ser Ser Lys Ser Leu Pro Asn Phe Pro Asn Thr Ser					
	395		400		405
Ala Thr Ala Asn Ala Thr Gly Gly Arg Ala Leu Ala Leu Gln Ser					
	410		415		420
Ser Leu Pro Gly Ala Glu Gly Pro Asp Lys Pro Ser Val Val Ser					
	425		430		435
Gly Leu Asn Ser Gly Pro Gly His Val Trp Gly Pro Leu Leu Gly					
	440		445		450
Leu Leu Leu Leu Pro Pro Leu Val Leu Ala Gly Ile Phe					
	455		460		

<210> 3

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 110960CD1

<400> 3

Met Thr Gln Gly Lys Leu Ser Val Ala Asn Lys Ala Pro Gly Thr					
1	5		10		15
Glu Gly Gln Gln Gln Val His Gly Glu Lys Lys Glu Ala Pro Ala					
	20		25		30
Val Pro Ser Ala Pro Pro Ser Tyr Glu Glu Ala Thr Ser Gly Glu					
	35		40		45
Gly Met Lys Ala Gly Ala Phe Pro Pro Ala Pro Thr Ala Val Pro					
	50		55		60
Leu His Pro Ser Trp Ala Tyr Val Asp Pro Ser Ser Ser Ser Ser					
	65		70		75
Tyr Asp Asn Gly Phe Pro Thr Gly Asp His Glu Leu Phe Thr Thr					
	80		85		90
Phe Ser Trp Asp Asp Gln Lys Val Arg Arg Val Phe Val Arg Lys					

	95		100		105
Val Tyr Thr Ile Leu Leu Ile Gln Leu Leu Val Thr Leu Ala Val					
	110		115		120
Val Ala Leu Phe Thr Phe Cys Asp Pro Val Lys Asp Tyr Val Gln					
	125		130		135
Ala Asn Pro Gly Trp Tyr Trp Ala Ser Tyr Ala Val Phe Phe Ala					
	140		145		150
Thr Tyr Leu Thr Leu Ala Cys Cys Ser Gly Pro Arg Arg His Phe					
	155		160		165
Pro Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser Met Ala					
	170		175		180
Tyr Leu Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr Thr Ser Val					
	185		190		195
Leu Leu Cys Leu Gly Ile Thr Ala Leu Val Cys Leu Ser Val Thr					
	200		205		210
Val Phe Ser Phe Gln Thr Lys Phe Asp Phe Thr Ser Cys Gln Gly					
	215		220		225
Val Leu Phe Val Leu Leu Met Thr Leu Phe Phe Ser Gly Leu Ile					
	230		235		240
Leu Ala Ile Leu Leu Pro Phe Gln Tyr Val Pro Trp Leu His Ala					
	245		250		255
Val Tyr Ala Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala					
	260		265		270
Leu Asp Thr Gln Leu Leu Met Gly Asn Arg Arg His Ser Leu Ser					
	275		280		285
Pro Glu Glu Tyr Ile Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile					
	290		295		300
Ile Tyr Ile Phe Thr Phe Phe Leu Gln Leu Phe Gly Thr Asn Arg					
	305		310		315

Glu

<210> 4
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 380721CD1

<400> 4
 Met Ser Glu Gln Gly Asp Leu Asn Gln Ala Ile Ala Glu Glu Gly
 1 5 10 15
 Gly Thr Glu Gln Glu Thr Ala Thr Pro Glu Asn Gly Ile Val Lys
 20 25 30
 Ser Glu Ser Leu Asp Glu Glu Glu Lys Leu Glu Leu Gln Arg Arg
 35 40 45
 Leu Glu Ala Gln Asn Gln Glu Arg Arg Lys Ser Lys Ser Gly Ala
 50 55 60
 Gly Lys Gly Lys Leu Thr Arg Ser Leu Ala Val Cys Glu Glu Ser
 65 70 75
 Ser Ala Arg Pro Gly Gly Glu Ser Leu Gln Gly Gln Thr Leu
 80 85

<210> 5
 <211> 273
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No.: 829443CD1

<400> 5
 Met Arg Gly Ser Gln Glu Val Leu Leu Met Trp Leu Leu Val Leu
 1 5 10 15
 Ala Val Gly Gly Thr Glu His Ala Tyr Arg Pro Gly Arg Arg Val
 20 25 30
 Cys Ala Val Arg Ala His Gly Asp Pro Val Ser Glu Ser Phe Val
 35 40 45
 Gln Arg Val Tyr Gln Pro Phe Leu Thr Thr Cys Asp Gly His Arg
 50 55 60
 Ala Cys Ser Thr Tyr Arg Thr Ile Tyr Arg Thr Ala Tyr Arg Arg
 65 70 75
 Ser Pro Gly Leu Ala Pro Ala Arg Pro Arg Tyr Ala Cys Cys Pro
 80 85 90
 Gly Trp Lys Arg Thr Ser Gly Leu Pro Gly Ala Cys Gly Ala Ala
 95 100 105
 Ile Cys Gln Pro Pro Cys Arg Asn Gly Gly Ser Cys Val Gln Pro
 110 115 120
 Gly Arg Cys Arg Cys Pro Ala Gly Trp Arg Gly Asp Thr Cys Gln
 125 130 135
 Ser Asp Val Asp Glu Cys Ser Ala Arg Arg Gly Gly Cys Pro Gln
 140 145 150
 Arg Cys Val Asn Thr Ala Gly Ser Tyr Trp Cys Gln Cys Trp Glu
 155 160 165
 Gly His Ser Leu Ser Ala Asp Gly Thr Leu Cys Val Pro Lys Gly
 170 175 180
 Gly Pro Pro Arg Val Ala Pro Asn Pro Thr Gly Val Asp Ser Ala
 185 190 195
 Met Lys Glu Glu Val Gln Arg Leu Gln Ser Arg Val Asp Leu Leu
 200 205 210
 Glu Glu Lys Leu Gln Leu Val Leu Ala Pro Leu His Ser Leu Ala
 215 220 225
 Ser Gln Ala Leu Glu His Gly Leu Pro Asp Pro Gly Ser Leu Leu
 230 235 240
 Val His Ser Phe Gln Gln Leu Gly Arg Ile Asp Ser Leu Ser Glu
 245 250 255
 Gln Ile Ser Phe Leu Glu Glu Gln Leu Gly Ser Cys Ser Cys Lys
 260 265 270
 Lys Asp Ser

<210> 6
 <211> 263
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 1470058CD1

<400> 6
 Met Leu Lys Cys His Val Phe Arg Cys Asp Val Pro Ala Lys Ala
 1 5 10 15
 Ile Ala Ser Ala Leu His Gly Leu Cys Ala Gln Ile Leu Ser Glu
 20 25 30
 Arg Val Glu Val Ser Gly Asp Ala Ser Cys Cys Ser Pro Asp Pro
 35 40 45
 Ile Ser Pro Glu Asp Leu Pro Arg Gln Val Glu Leu Leu Asp Ala
 50 55 60
 Val Ser Gln Ala Ala Gln Lys Tyr Glu Ala Leu Tyr Met Gly Thr
 65 70 75
 Leu Pro Val Thr Lys Ala Met Gly Met Asp Val Leu Asn Glu Ala
 80 85 90
 Ile Gly Thr Leu Thr Ala Arg Gly Asp Arg Asn Ala Trp Val Pro
 95 100 105
 Thr Met Leu Ser Val Ser Asp Ser Leu Met Thr Ala His Pro Ile
 110 115 120
 Gln Ala Glu Ala Ser Thr Glu Glu Glu Pro Leu Trp Gln Cys Pro
 125 130 135
 Val Arg Leu Val Thr Phe Ile Gly Val Gly Arg Asp Pro His Thr
 140 145 150
 Phe Gly Leu Ile Ala Asp Leu Gly Arg Gln Ser Phe Gln Cys Ala
 155 160 165
 Ala Phe Trp Cys Gln Pro His Ala Gly Gly Leu Ser Glu Ala Val
 170 175 180
 Gln Ala Ala Cys Met Val Gln Tyr Gln Lys Cys Leu Val Ala Ser
 185 190 195
 Ala Ala Arg Gly Lys Ala Trp Gly Ala Gln Ala Arg Ala Arg Leu
 200 205 210
 Arg Leu Lys Arg Thr Ser Ser Met Asp Ser Pro Gly Gly Pro Leu
 215 220 225
 Pro Leu Pro Leu Leu Lys Gly Gly Val Gly Gly Ala Gly Ala Thr
 230 235 240
 Pro Arg Lys Arg Gly Val Phe Ser Phe Leu Asp Ala Phe Arg Leu
 245 250 255
 Lys Pro Ser Leu Leu His Met Pro
 260

<210> 7
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 1554947CD1

<400> 7
 Met Ala Asp Phe Asp Glu Ile Tyr Glu Glu Glu Glu Asp Glu Glu
 1 5 10 15
 Arg Ala Leu Glu Glu Gln Leu Leu Lys Tyr Ser Pro Asp Pro Val

	20		25		30
Val Val Arg Gly Ser Gly His Val Thr Val Phe Gly Leu Ser Asn					
	35		40		45
Lys Phe Glu Ser Glu Phe Pro Ser Ser Leu Thr Gly Lys Val Ala					
	50		55		60
Pro Glu Glu Phe Lys Ala Ser Ile Asn Arg Val Asn Ser Cys Leu					
	65		70		75
Lys Lys Asn Leu Pro Val Asn Val Arg Trp Leu Leu Cys Gly Cys					
	80		85		90
Leu Cys Cys Cys Cys Thr Leu Gly Cys Ser Met Trp Pro Val Ile					
	95		100		105
Cys Leu Ser Lys Arg Thr Arg Arg Ser Ile Glu Lys Leu Leu Glu					
	110		115		120
Trp Glu Asn Asn Arg Leu Tyr His Lys Leu Cys Leu His Trp Arg					
	125		130		135
Leu Ser Lys Arg Lys Cys Glu Thr Asn Asn Met Met Glu Tyr Val					
	140		145		150
Ile Leu Ile Glu Phe Leu Pro Lys Thr Pro Ile Phe Arg Pro Asp					
	155		160		165

<210> 8

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1690245CD1

<400> 8

Met Gln Asn Leu Gly Met Thr Ser Pro Leu Pro Tyr Asp Ser Leu					
1	5		10		15
Gly Tyr Asn Ala Pro His His Pro Phe Ala Gly Tyr Pro Pro Gly					
	20		25		30
Tyr Pro Met Gln Ala Tyr Val Asp Pro Ser Asn Pro Asn Ala Gly					
	35		40		45
Lys Val Leu Leu Pro Thr Pro Ser Met Asp Pro Val Cys Ser Pro					
	50		55		60
Ala Pro Tyr Asp His Ala Gln Pro Leu Val Gly His Ser Thr Glu					
	65		70		75
Pro Leu Ser Ala Pro Pro Pro Val Pro Val Val Pro His Val Ala					
	80		85		90
Ala Pro Val Glu Val Ser Ser Ser Gln Tyr Val Ala Gln Ser Asp					
	95		100		105
Gly Val Val His Gln Asp Ser Ser Val Ala Val Leu Pro Val Pro					
	110		115		120
Ala Pro Gly Pro Val Gln Gly Gln Asn Tyr Ser Val Trp Asp Ser					
	125		130		135
Asn Gln Gln Ser Val Ser Val Gln Gln Gln Tyr Ser Pro Ala Gln					
	140		145		150
Ser Gln Ala Thr Ile Tyr Tyr Gln Gly Gln Thr Cys Pro Thr Val					
	155		160		165
Tyr Gly Val Thr Ser Pro Tyr Ser Gln Thr Thr Pro Pro Ile Val					
	170		175		180

Gln Ser Tyr Ala	Gln Pro Ser Leu Gln	Tyr Ile Gln Gly Gln Gln	
	185	190	195
Ile Phe Thr Ala	His Pro Gln Gly Val	Val Val Gln Pro Ala Ala	
	200	205	210
Ala Val Thr Thr	Ile Val Ala Pro Gly	Gln Pro Gln Pro Leu Gln	
	215	220	225
Pro Ser Glu Met	Val Val Thr Asn Asn	Leu Leu Asp Leu Pro Pro	
	230	235	240
Pro Ser Pro Pro	Lys Pro Lys Thr Ile	Val Leu Pro Pro Asn Trp	
	245	250	255
Lys Thr Ala Arg	Asp Pro Glu Gly Lys	Ile Tyr Tyr Tyr His Val	
	260	265	270
Ile Thr Arg Gln	Thr Gln Trp Asp Pro	Pro Thr Trp Glu Ser Pro	
	275	280	285
Gly Asp Asp Ala	Ser Leu Glu His Glu	Ala Glu Met Asp Leu Gly	
	290	295	300
Thr Pro Thr Tyr	Asp Glu Asn Pro Met	Lys Ala Ser Lys Lys Pro	
	305	310	315
Lys Thr Ala Glu	Ala Asp Thr Ser Ser	Glu Leu Ala Lys Lys Ser	
	320	325	330
Lys Glu Val Phe	Arg Lys Glu Met Ser	Gln Phe Ile Val Gln Cys	
	335	340	345
Leu Asn Pro Tyr	Arg Lys Pro Asp Cys	Lys Val Gly Arg Ile Thr	
	350	355	360
Thr Thr Glu Asp	Phe Lys His Leu Ala	Arg Lys Leu Thr His Gly	
	365	370	375
Val Met Asn Lys	Glu Leu Lys Tyr Cys	Lys Asn Pro Glu Asp Leu	
	380	385	390
Glu Cys Asn Glu	Asn Val Lys His Lys	Thr Lys Glu Tyr Ile Lys	
	395	400	405
Lys Tyr Met Gln	Lys Phe Gly Ala Val	Tyr Lys Pro Lys Glu Asp	
	410	415	420
Thr Glu Leu Glu			

<210> 9

<211> 164

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1878262CD1

<400> 9

Met Arg Cys Cys Arg	Arg Arg Cys Cys Cys	Arg Gln Pro Pro His
1	5	10
Ala Leu Arg Pro Leu	Leu Leu Leu Pro Leu	Val Leu Leu Pro Pro
	20	25
Leu Ala Ala Ala Ala	Ala Gly Pro Asn Arg	Cys Asp Thr Ile Tyr
	35	40
Gln Gly Phe Ala Glu	Cys Leu Ile Arg Leu	Gly Asp Ser Met Gly
	50	55
Arg Gly Gly Glu Leu	Glu Thr Ile Cys Arg	Ser Trp Asn Asp Phe

	65	70	75
His Ala Cys Ala Ser Gln Val Leu Ser Gly Cys Pro Glu Glu Ala			
	80	85	90
Ala Ala Val Trp Glu Ser Leu Gln Gln Glu Ala Arg Gln Ala Pro			
	95	100	105
Arg Pro Asn Asn Leu His Thr Leu Cys Gly Ala Pro Val His Val			
	110	115	120
Arg Glu Arg Gly Thr Gly Ser Lys Thr Asn Gln Glu Thr Leu Arg			
	125	130	135
Ala Thr Ala Pro Ala Leu Pro Met Ala Pro Ala Pro Pro Leu Leu			
	140	145	150
Ala Ala Ala Leu Ala Leu Ala Tyr Leu Leu Arg Pro Leu Ala			
	155	160	

<210> 10

<211> 796

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2253519CD1

<400> 10

Met Thr Val Ala Gly Leu Lys Leu Leu Arg Ser Ala Phe Cys Cys		
1	5	10
Pro Pro Gln Gln Tyr Leu Thr Leu Ala Phe Thr Val Leu Leu Phe		
	20	25
His Phe Asp Tyr Pro Arg Leu Ser Gln Gly Phe Leu Leu Asp Tyr		
	35	40
Phe Leu Met Ser Leu Leu Cys Ser Lys Leu Trp Asp Leu Leu Tyr		
	50	55
Lys Leu Arg Phe Val Leu Thr Tyr Ile Ala Pro Trp Gln Ile Thr		
	65	70
Trp Gly Ser Ala Phe His Ala Phe Ala Gln Pro Phe Ala Val Pro		
	80	85
His Ser Ala Met Leu Phe Val Gln Ala Leu Leu Ser Gly Leu Phe		
	95	100
Ser Thr Pro Leu Asn Pro Leu Leu Gly Ser Ala Val Phe Ile Met		
	110	115
Ser Tyr Ala Arg Pro Leu Lys Phe Trp Glu Arg Asp Tyr Asn Thr		
	125	130
Lys Arg Val Asp His Ser Asn Thr Arg Leu Val Thr Gln Leu Asp		
	140	145
Arg Asn Pro Gly Ala Asp Asp Asn Asn Leu Asn Ser Ile Phe Tyr		
	155	160
Glu His Leu Thr Arg Ser Leu Gln His Thr Leu Cys Gly Asp Leu		
	170	175
Val Leu Gly Arg Trp Gly Asn Tyr Gly Pro Gly Asp Cys Phe Val		
	185	190
Leu Ala Ser Asp Tyr Leu Asn Ala Leu Val His Leu Ile Glu Val		
	200	205
Gly Asn Gly Leu Val Thr Phe Gln Leu Arg Gly Leu Glu Phe Arg		
	215	220

Gly Thr Tyr Cys	Gln Gln Arg Glu Val	Glu Ala Ile Thr Glu Gly	230	235	240
Val Glu Glu Asp	Glu Gly Cys Cys Cys	Cys Glu Pro Gly His Leu	245	250	255
Pro Arg Val Leu	Ser Phe Asn Ala Ala	Phe Gly Gln Arg Trp Leu	260	265	270
Ala Trp Glu Val	Thr Ala Ser Lys Tyr	Val Leu Glu Gly Tyr Ser	275	280	285
Ile Ser Asp Asn	Asn Ala Ala Ser Met	Leu Gln Val Phe Asp Leu	290	295	300
Arg Lys Ile Leu	Ile Thr Tyr Tyr Val	Lys Ser Ile Ile Tyr Tyr	305	310	315
Val Ser Arg Ser	Pro Lys Leu Glu Val	Trp Leu Ser His Glu Gly	320	325	330
Ile Thr Ala Ala	Leu Arg Pro Val Arg	Val Pro Gly Tyr Ala Asp	335	340	345
Ser Asp Pro Thr	Phe Ser Leu Ser Val	Asp Glu Asp Tyr Asp Leu	350	355	360
Arg Leu Ser Gly	Leu Ser Leu Pro Ser	Phe Cys Ala Val His Leu	365	370	375
Glu Trp Ile Gln	Tyr Cys Ala Ser Arg	Arg Thr Arg Pro Val Asp	380	385	390
Gln Asp Trp Asn	Ser Pro Leu Val Thr	Leu Cys Phe Gly Leu Cys	395	400	405
Val Leu Gly Arg	Arg Ala Leu Gly Thr	Ala Ser His Ser Met Ser	410	415	420
Ala Ser Leu Glu	Pro Phe Leu Tyr Gly	Leu His Ala Leu Phe Lys	425	430	435
Gly Asp Phe Arg	Ile Thr Ser Pro Arg	Asp Glu Trp Val Phe Ala	440	445	450
Asp Met Asp Leu	Leu His Arg Val Val	Ala Pro Gly Val Arg Met	455	460	465
Ala Leu Lys Leu	His Gln Asp His Phe	Thr Ser Pro Asp Glu Tyr	470	475	480
Glu Glu Pro Ala	Ala Leu Tyr Asp Ala	Ile Ala Ala Asn Glu Glu	485	490	495
Arg Leu Val Ile	Ser His Glu Gly Asp	Pro Ala Trp Arg Ser Ala	500	505	510
Ile Leu Ser Asn	Thr Pro Ser Leu Leu	Ala Leu Arg His Val Leu	515	520	525
Asp Asp Ala Ser	Asp Glu Tyr Lys Ile	Ile Met Leu Asn Arg Arg	530	535	540
His Leu Ser Phe	Arg Val Ile Lys Val	Asn Arg Glu Cys Val Arg	545	550	555
Gly Leu Trp Ala	Gly Gln Gln Gln Glu	Leu Val Phe Leu Arg Asn	560	565	570
Arg Asn Pro Glu	Arg Gly Ser Ile Gln	Asn Ala Lys Gln Ala Leu	575	580	585
Arg Asn Met Ile	Asn Ser Ser Cys Asp	Gln Pro Leu Gly Tyr Pro	590	595	600
Ile Tyr Val Ser	Pro Leu Thr Thr Ser	Leu Ala Gly Ser His Pro	605	610	615
Gln Leu Arg Ala	Leu Trp Gly Gly Pro	Ile Ser Leu Gly Ala Ile	620	625	630
Ala His Trp Leu	Leu Arg Thr Trp Glu	Arg Leu His Lys Gly Cys			

	635		640		645
Gly Ala Gly Cys Asn Ser Gly Gly Asn Val Asp Asp Ser Asp Cys					
	650		655		660
Ser Gly Gly Gly Gly Leu Thr Ser Leu Ser Asn Asn Pro Pro Val					
	665		670		675
Ala His Pro Thr Pro Glu Asn Thr Ala Gly Asn Gly Asp Gln Pro					
	680		685		690
Leu Pro Pro Gly Pro Gly Trp Gly Pro Arg Ser Ser Leu Ser Gly					
	695		700		705
Ser Gly Asp Gly Arg Pro Pro Pro Leu Leu Gln Trp Pro Pro Pro					
	710		715		720
Arg Leu Pro Gly Pro Pro Pro Ala Ser Pro Ile Pro Thr Glu Gly					
	725		730		735
Pro Arg Thr Ser Arg Pro Pro Gly Pro Gly Leu Leu Ser Ser Glu					
	740		745		750
Gly Pro Ser Gly Lys Trp Ser Leu Gly Gly Arg Lys Gly Leu Gly					
	755		760		765
Gly Ser Asp Gly Glu Pro Ala Ser Gly Ser Pro Lys Gly Gly Thr					
	770		775		780
Pro Lys Ser Gln Val Arg His Leu Trp Glu Gly Trp Val Pro Glu					
	785		790		795
Gly					

<210> 11
 <211> 854
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2888437CD1

<400> 11
 Met Lys Cys Leu Tyr Tyr Leu Tyr Ala Ser Leu Asp Pro Asn Ala
 1 5 10 15
 Val Lys Ala Leu Asn Glu Met Trp Lys Cys Gln Asn Met Leu Arg
 20 25 30
 Ile His Val Arg Glu Leu Leu Asp Leu His Lys Gln Pro Thr Ser
 35 40 45
 Glu Ala Asn Cys Ser Ala Met Phe Gly Lys Leu Met Thr Ile Ala
 50 55 60
 Lys Asn Leu Pro Asp Pro Gly Lys Ala Gln Asp Phe Val Lys Lys
 65 70 75
 Phe Asn Gln Val Leu Gly Asp Asp Glu Lys Leu Arg Ser Gln Leu
 80 85 90
 Glu Leu Leu Ile Ser Pro Thr Cys Ser Cys Lys Gln Ala Asp Ile
 95 100 105
 Cys Val Arg Glu Ile Ala Arg Lys Leu Ala Asn Pro Lys Gln Pro
 110 115 120
 Thr Asn Pro Phe Leu Glu Met Val Lys Phe Leu Leu Glu Arg Ile
 125 130 135
 Ala Pro Val His Ile Asp Ser Glu Ala Ile Ser Ala Leu Val Lys
 140 145 150

Leu Met Asn Lys Ser Ile Glu Gly Thr Ala Asp Asp Glu Glu Glu	155	160	165
Gly Val Ser Pro Asp Thr Ala Ile Arg Ser Gly Leu Glu Leu Leu	170	175	180
Lys Val Leu Ser Phe Thr His Pro Thr Ser Phe His Ser Ala Glu	185	190	195
Thr Tyr Glu Ser Leu Leu Gln Cys Leu Arg Met Glu Asp Asp Lys	200	205	210
Val Ala Glu Ala Ala Ile Gln Ile Phe Arg Asn Thr Gly His Lys	215	220	225
Ile Glu Thr Asp Leu Pro Gln Ile Arg Ser Thr Leu Ile Pro Ile	230	235	240
Leu His Gln Lys Ala Lys Arg Gly Thr Pro His Gln Ala Lys Gln	245	250	255
Ala Val His Cys Ile His Ala Ile Phe Thr Asn Lys Glu Val Gln	260	265	270
Leu Ala Gln Ile Phe Glu Pro Leu Ser Arg Ser Leu Asn Ala Asp	275	280	285
Val Pro Glu Gln Leu Ile Thr Pro Leu Val Ser Leu Gly His Ile	290	295	300
Ser Met Leu Ala Pro Asp Gln Phe Ala Ser Pro Met Lys Ser Val	305	310	315
Val Ala Asn Phe Ile Val Lys Asp Leu Leu Met Asn Asp Arg Ser	320	325	330
Thr Gly Glu Lys Asn Gly Lys Leu Trp Ser Pro Asp Glu Glu Val	335	340	345
Ser Pro Glu Val Leu Ala Lys Val Gln Ala Ile Lys Leu Leu Val	350	355	360
Arg Trp Leu Leu Gly Met Lys Asn Asn Gln Ser Lys Ser Ala Asn	365	370	375
Ser Thr Leu Arg Leu Leu Ser Ala Met Leu Val Ser Glu Gly Asp	380	385	390
Leu Thr Glu Gln Lys Arg Ile Ser Lys Ser Asp Met Ser Arg Leu	395	400	405
Arg Leu Ala Ala Gly Ser Ala Ile Met Lys Leu Ala Gln Glu Pro	410	415	420
Cys Tyr His Glu Ile Ile Thr Pro Glu Gln Phe Gln Leu Cys Ala	425	430	435
Leu Val Ile Asn Asp Glu Cys Tyr Gln Val Arg Gln Ile Phe Ala	440	445	450
Gln Lys Leu His Lys Ala Leu Val Lys Leu Leu Leu Pro Leu Glu	455	460	465
Tyr Met Ala Ile Phe Ala Leu Cys Ala Lys Asp Pro Val Lys Glu	470	475	480
Arg Arg Ala His Ala Arg Gln Cys Leu Leu Lys Asn Ile Ser Ile	485	490	495
Arg Arg Glu Tyr Ile Lys Gln Asn Pro Met Ala Thr Glu Lys Leu	500	505	510
Leu Ser Leu Leu Pro Glu Tyr Val Val Pro Tyr Met Ile His Leu	515	520	525
Leu Ala His Asp Pro Asp Phe Thr Arg Ser Gln Asp Val Asp Gln	530	535	540
Leu Arg Asp Ile Lys Glu Cys Leu Trp Phe Met Leu Glu Val Leu	545	550	555
Met Thr Lys Asn Glu Asn Asn Ser His Ala Phe Met Lys Lys Met			

560	565	570
Ala Glu Asn Ile Lys Leu Thr Arg Asp	Ala Gln Ser Pro Asp	Glu
575	580	585
Ser Lys Thr Asn Glu Lys Leu Tyr Thr	Val Cys Asp Val Ala	Leu
590	595	600
Cys Val Ile Asn Ser Lys Ser Ala Leu	Cys Asn Ala Asp Ser	Pro
605	610	615
Lys Asp Pro Val Leu Pro Met Lys Phe	Phe Thr Gln Pro Glu	Lys
620	625	630
Asp Phe Cys Asn Asp Lys Ser Tyr Ile	Ser Glu Glu Thr Arg	Val
635	640	645
Leu Leu Leu Thr Gly Lys Pro Lys Pro	Ala Gly Val Leu Gly	Ala
650	655	660
Val Asn Lys Pro Leu Ser Ala Thr Gly	Arg Lys Pro Tyr Val	Arg
665	670	675
Ser Thr Gly Thr Glu Thr Gly Ser Asn	Ile Asn Val Asn Ser	Glu
680	685	690
Leu Asn Pro Ser Thr Gly Asn Arg Ser	Arg Glu Gln Ser Ser	Glu
695	700	705
Ala Ala Glu Thr Gly Val Ser Glu Asn	Glu Glu Asn Pro Val	Arg
710	715	720
Ile Ile Ser Val Thr Pro Val Lys Asn	Ile Asp Pro Val Lys	Asn
725	730	735
Lys Glu Ile Asn Ser Asp Gln Ala Thr	Gln Gly Asn Ile Ser	Ser
740	745	750
Asp Arg Gly Lys Lys Arg Thr Val Thr	Ala Ala Gly Ala Glu	Asn
755	760	765
Ile Gln Gln Lys Thr Asp Glu Lys Val	Asp Glu Ser Gly Pro	Pro
770	775	780
Ala Pro Ser Lys Pro Arg Arg Gly Arg	Arg Pro Lys Ser Glu	Ser
785	790	795
Gln Gly Asn Ala Thr Lys Asn Asp Asp	Leu Asn Lys Pro Ile	Asn
800	805	810
Lys Gly Arg Lys Arg Ala Ala Val Gly	Gln Glu Ser Pro Gly	Gly
815	820	825
Leu Glu Ala Gly Asn Ala Lys Ala Pro	Lys Leu Gln Asp Leu	Ala
830	835	840
Lys Lys Ala Ala Pro Ala Glu Arg Gln	Ile Asp Leu Gln Arg	
845	850	

<210> 12

<211> 856

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 3201753CD1

<400> 12

Met Arg Gly Ile Phe Ile Lys His Val Leu Glu Asp Ser Pro Ala

1

5

10

15

Gly Lys Asn Gly Thr Leu Lys Pro Gly Asp Arg Ile Val Glu Val

20

25

30

Asp	Gly	Met	Asp	Leu	Arg	Asp	Ala	Ser	His	Glu	Gln	Ala	Val	Glu
				35					40					45
Ala	Ile	Arg	Lys	Ala	Gly	Asn	Pro	Val	Val	Phe	Met	Val	Gln	Ser
				50					55					60
Ile	Ile	Asn	Arg	Pro	Arg	Ala	Pro	Ser	Gln	Ser	Glu	Ser	Glu	Pro
				65					70					75
Glu	Lys	Ala	Pro	Leu	Cys	Ser	Val	Pro	Pro	Pro	Pro	Pro	Ser	Ala
				80					85					90
Phe	Ala	Glu	Met	Gly	Ser	Asp	His	Thr	Gln	Ser	Ser	Ala	Ser	Lys
				95					100					105
Ile	Ser	Gln	Asp	Val	Asp	Lys	Glu	Asp	Glu	Phe	Gly	Tyr	Ser	Trp
				110					115					120
Lys	Asn	Ile	Arg	Glu	Arg	Tyr	Gly	Thr	Leu	Thr	Gly	Glu	Leu	His
				125					130					135
Met	Ile	Glu	Leu	Glu	Lys	Gly	His	Ser	Gly	Leu	Gly	Leu	Ser	Leu
				140					145					150
Ala	Gly	Asn	Lys	Asp	Arg	Ser	Arg	Met	Ser	Val	Phe	Ile	Val	Gly
				155					160					165
Ile	Asp	Pro	Asn	Gly	Ala	Ala	Gly	Lys	Asp	Gly	Arg	Leu	Gln	Ile
				170					175					180
Ala	Asp	Glu	Leu	Leu	Glu	Ile	Asn	Gly	Gln	Ile	Leu	Tyr	Gly	Arg
				185					190					195
Ser	His	Gln	Asn	Ala	Ser	Ser	Ile	Ile	Lys	Cys	Ala	Pro	Ser	Lys
				200					205					210
Val	Lys	Ile	Ile	Phe	Ile	Arg	Asn	Lys	Asp	Ala	Val	Asn	Gln	Met
				215					220					225
Ala	Val	Cys	Pro	Gly	Asn	Ala	Val	Glu	Pro	Leu	Pro	Ser	Asn	Ser
				230					235					240
Glu	Asn	Leu	Gln	Asn	Lys	Glu	Thr	Glu	Pro	Thr	Val	Thr	Thr	Ser
				245					250					255
Asp	Ala	Ala	Val	Asp	Leu	Ser	Ser	Phe	Lys	Asn	Val	Gln	His	Leu
				260					265					270
Glu	Leu	Pro	Lys	Asp	Gln	Gly	Gly	Leu	Gly	Ile	Ala	Ile	Ser	Glu
				275					280					285
Glu	Asp	Thr	Leu	Ser	Gly	Val	Ile	Ile	Lys	Ser	Leu	Thr	Glu	His
				290					295					300
Gly	Val	Ala	Ala	Thr	Asp	Gly	Arg	Leu	Lys	Val	Gly	Asp	Gln	Ile
				305					310					315
Leu	Ala	Val	Asp	Asp	Glu	Ile	Val	Val	Gly	Tyr	Pro	Ile	Glu	Lys
				320					325					330
Phe	Ile	Ser	Leu	Leu	Lys	Thr	Ala	Lys	Met	Thr	Val	Lys	Leu	Thr
				335					340					345
Ile	His	Ala	Glu	Asn	Pro	Asp	Ser	Gln	Ala	Val	Pro	Ser	Ala	Ala
				350					355					360
Gly	Ala	Ala	Ser	Gly	Glu	Lys	Lys	Asn	Ser	Ser	Gln	Ser	Leu	Met
				365					370					375
Val	Pro	Gln	Ser	Gly	Ser	Pro	Glu	Pro	Glu	Ser	Ile	Arg	Asn	Thr

Ala Cys Lys Asp	440	Ala Gly Asp Gln Ile Leu Glu	445	450
	455		460	465
Val Asn Gly Ile	470	Val Arg Leu Thr His Asp Glu Ala Ile	475	480
	485		490	495
Asn Val Leu Arg	500	Asn Thr Pro Gln Arg Val Arg Leu Thr Leu Tyr	505	510
	515		520	525
Arg Asp Glu Ala	530	Arg Thr Lys Lys Pro Gly Lys Gly Leu Gly Leu Ser	535	540
	545		550	555
Thr Ile Glu Leu	560	Thr Ile Glu Leu Met Val Arg Asn Ala Thr	565	570
	575		580	585
Ile Val Gly Lys	590	Ile Val Gly Lys Arg Asn Asp Thr Gly Val Phe Val Ser Asp Ile	595	600
	605		610	615
Val Lys Gly Gly	620	Val Lys Gly Gly Ile Ala Asp Ala Asp Gly Arg Leu Met Gln Gly	625	630
	635		640	645
Asp Gln Ile Leu	650	Asp Gln Ile Leu Met Val Asn Gly Glu Asp Val Arg Asn Ala Thr	655	660
	665		670	675
Gln Glu Ala Val	680	Gln Glu Ala Val Ala Ala Leu Leu Lys Cys Ser Leu Gly Thr Val	685	690
	695		700	705
Thr Leu Glu Val	710	Thr Leu Glu Val Gly Arg Ile Lys Ala Gly Pro Phe His Ser Glu	715	720
	725		730	735
Arg Arg Pro Ser	740	Arg Arg Pro Ser Gln Ser Ser Gln Val Ser Glu Gly Ser Leu Ser	745	750
	755		760	765
Ser Phe Thr Phe	770	Ser Phe Thr Phe Pro Leu Ser Gly Ser Ser Thr Ser Glu Ser Leu	775	780
	785		790	795
Glu Ser Ser Ser	800	Glu Ser Ser Ser Lys Lys Asn Ala Leu Ala Ser Glu Ile Gln Gly	805	810
	815		820	825
Leu Arg Thr Val	830	Leu Arg Thr Val Glu Met Lys Lys Gly Pro Thr Asp Ser Leu Gly	835	840
Ile Ser Ile Ala		Ile Ser Ile Ala Gly Gly Val Gly Ser Pro Leu Gly Asp Val Pro		
Ile Phe Ile Ala		Ile Phe Ile Ala Met Met His Pro Thr Gly Val Ala Ala Gln Thr		
Gln Lys Leu Arg		Gln Lys Leu Arg Val Gly Asp Arg Ile Val Thr Ile Cys Gly Thr		
Ser Thr Glu Gly		Ser Thr Glu Gly Met Thr His Thr Gln Ala Val Asn Leu Leu Lys		
Asn Ala Ser Gly		Asn Ala Ser Gly Ser Ile Glu Met Gln Val Val Ala Gly Gly Asp		
Val Ser Val Val		Val Ser Val Val Thr Gly His Gln Gln Glu Pro Ala Ser Ser Ser		
Leu Ser Phe Thr		Leu Ser Phe Thr Gly Leu Thr Ser Ser Ser Ile Phe Gln Asp Asp		
Leu Gly Pro Pro		Leu Gly Pro Pro Gln Cys Lys Ser Ile Thr Leu Glu Arg Gly Pro		
Asp Gly Leu Gly		Asp Gly Leu Gly Phe Ser Ile Val Gly Gly Tyr Gly Ser Pro His		
Gly Asp Leu Pro		Gly Asp Leu Pro Ile Tyr Val Lys Thr Val Phe Ala Lys Gly Ala		
Ala Ser Glu Asp		Ala Ser Glu Asp Gly Arg Leu Lys Arg Gly Asp Gln Ile Ile Ala		
Val Asn Gly Gln		Val Asn Gly Gln Ser Leu Glu Gly Val Thr His Glu Glu Ala Val		

Ala Ile Leu Lys Arg Thr Lys Gly Thr Val Thr Leu Met Val Leu
845 850 855

Ser

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<210> 13
<211> 361
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No.: 3800639CD1
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Met	Glu	Thr	Gly	Ala	Ala	Glu	Leu	Tyr	Asp	Gln	Ala	Leu	Leu	Gly		
1				5					10					15		
Ile	Leu	Gln	His	Val	Gly	Asn	Val	Gln	Asp	Phe	Leu	Arg	Val	Leu		
				20					25					30		
Phe	Gly	Phe	Leu	Tyr	Arg	Lys	Thr	Asp	Phe	Tyr	Arg	Leu	Leu	Arg		
				35					40					45		
His	Pro	Ser	Asp	Arg	Met	Gly	Phe	Pro	Pro	Gly	Ala	Ala	Gln	Ala		
				50					55					60		
Leu	Val	Leu	Gln	Val	Phe	Lys	Thr	Phe	Asp	His	Met	Ala	Arg	Gln		
				65					70					75		
Asp	Asp	Glu	Lys	Arg	Arg	Gln	Glu	Leu	Glu	Glu	Lys	Ile	Arg	Arg		
				80					85					90		
Lys	Glu	Glu	Glu	Glu	Ala	Lys	Thr	Val	Ser	Ala	Ala	Ala	Ala	Glu		
				95					100					105		
Lys	Glu	Pro	Val	Pro	Val	Pro	Val	Gln	Glu	Ile	Glu	Ile	Asp	Ser		
				110					115					120		
Thr	Thr	Glu	Leu	Asp	Gly	His	Gln	Glu	Val	Glu	Lys	Val	Gln	Pro		
				125					130					135		
Pro	Gly	Pro	Val	Lys	Glu	Met	Ala	His	Gly	Ser	Gln	Glu	Ala	Glu		
				140					145					150		
Ala	Pro	Gly	Ala	Val	Ala	Gly	Ala	Ala	Glu	Val	Pro	Arg	Glu	Pro		
				155					160					165		
Pro	Ile	Leu	Pro	Arg	Ile	Gln	Glu	Gln	Phe	Gln	Lys	Asn	Pro	Asp		
				170					175					180		
Ser	Tyr	Asn	Gly	Ala	Val	Arg	Glu	Asn	Tyr	Thr	Trp	Ser	Gln	Asp		
				185					190					195		
Tyr	Thr	Asp	Leu	Glu	Val	Arg	Val	Pro	Val	Pro	Lys	His	Val	Val		
				200					205					210		
Lys	Gly	Lys	Gln	Val	Ser	Val	Ala	Leu	Ser	Ser	Ser	Ser	Ile	Arg		
				215					220					225		
Val	Ala	Met	Leu	Glu	Glu	Asn	Gly	Glu	Arg	Val	Leu	Met	Glu	Gly		
				230					235					240		
Lys	Leu	Thr	His	Lys	Ile	Asn	Thr	Glu	Ser	Ser	Leu	Trp	Ser	Leu		
				245					250					255		
Glu	Pro	Gly	Lys	Cys	Val	Leu	Val	Asn	Leu	Ser	Lys	Val	Gly	Glu		
				260					265					270		
Tyr	Trp	Trp	Asn	Ala	Ile	Leu	Glu	Gly	Glu	Glu	Pro	Ile	Asp	Ile		
				275					280					285		
Asp	Lys	Ile	Asn	Lys	Glu	Arg	Ser	Met	Ala	Thr	Val	Asp	Glu	Glu		
				290					295					300		


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Glu Gln Ala Val Leu Asp Arg Leu Thr Phe Asp Tyr His Gln Lys
      305                      310                      315
Leu Gln Gly Lys Pro Gln Ser His Glu Leu Lys Val His Glu Met
      320                      325                      330
Leu Lys Lys Gly Trp Asp Ala Glu Gly Ser Pro Phe Arg Gly Gln
      335                      340                      345
Arg Phe Asp Pro Ala Met Phe Asn Ile Ser Pro Gly Ala Val Gln
      350                      355                      360
Phe

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<210> 14
<211> 632
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No.: 533825CD1

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<400> 14
Met Lys Ala Leu Leu Leu Leu Val Leu Pro Trp Leu Ser Pro Ala
  1          5          10          15
Asn Tyr Ile Asp Asn Val Gly Asn Leu His Phe Leu Tyr Ser Glu
      20          25          30
Leu Cys Lys Gly Ala Ser His Tyr Gly Leu Thr Lys Asp Arg Lys
      35          40          45
Arg Arg Ser Gln Asp Gly Cys Pro Asp Gly Cys Ala Ser Leu Thr
      50          55          60
Ala Thr Ala Pro Ser Pro Glu Val Ser Ala Ala Thr Ile Ser
      65          70          75
Leu Met Thr Asp Glu Pro Gly Leu Asp Asn Pro Ala Tyr Val Ser
      80          85          90
Ser Ala Glu Asp Gly Gln Pro Ala Ile Ser Pro Val Asp Ser Gly
      95          100         105
Arg Ser Asn Arg Thr Arg Ala Arg Pro Phe Glu Arg Ser Thr Ile
     110         115         120
Arg Ser Arg Ser Phe Lys Lys Ile Asn Arg Ala Leu Ser Val Leu
     125         130         135
Arg Arg Thr Lys Ser Gly Ser Ala Val Ala Asn His Ala Asp Gln
     140         145         150
Gly Arg Glu Asn Ser Glu Asn Ile Thr Ala Pro Glu Val Phe Pro
     155         160         165
Arg Leu Tyr His Leu Ile Pro Asp Gly Glu Ile Thr Ser Ile Lys
     170         175         180
Ile Asn Arg Val Asp Pro Ser Glu Ser Leu Ser Ile Arg Leu Val
     185         190         195
Gly Gly Ser Glu Thr Pro Leu Val His Ile Ile Ile Gln His Ile
     200         205         210
Tyr Arg Asp Gly Val Ile Ala Arg Asp Gly Arg Leu Leu Pro Gly
     215         220         225
Asp Ile Ile Leu Lys Val Asn Gly Met Asp Ile Ser Asn Val Pro
     230         235         240
His Asn Tyr Ala Val Arg Leu Leu Arg Gln Pro Cys Gln Val Leu
     245         250         255

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Trp	Leu	Thr	Val	Met	Arg	Glu	Gln	Lys	Phe	Arg	Ser	Arg	Asn	Asn		
				260					265							270
Gly	Gln	Ala	Pro	Asp	Ala	Tyr	Arg	Pro	Arg	Asp	Asp	Ser	Phe	His		
				275					280							285
Val	Ile	Leu	Asn	Lys	Ser	Ser	Pro	Glu	Glu	Gln	Leu	Gly	Ile	Lys		
				290					295							300
Leu	Val	Arg	Lys	Val	Asp	Glu	Pro	Gly	Val	Phe	Ile	Phe	Asn	Val		
				305					310							315
Leu	Asp	Gly	Gly	Val	Ala	Tyr	Arg	His	Gly	Gln	Leu	Glu	Glu	Asn		
				320					325							330
Asp	Arg	Val	Leu	Ala	Ile	Asn	Gly	His	Asp	Leu	Arg	Tyr	Gly	Ser		
				335					340							345
Pro	Glu	Ser	Ala	Ala	His	Leu	Ile	Gln	Ala	Ser	Glu	Arg	Arg	Val		
				350					355							360
His	Leu	Val	Val	Ser	Arg	Gln	Val	Arg	Gln	Arg	Ser	Pro	Asp	Ile		
				365					370							375
Phe	Gln	Glu	Ala	Gly	Trp	Asn	Ser	Asn	Gly	Ser	Trp	Ser	Pro	Gly		
				380					385							390
Pro	Gly	Glu	Arg	Ser	Asn	Thr	Pro	Lys	Pro	Leu	His	Pro	Thr	Ile		
				395					400							405
Thr	Cys	His	Glu	Lys	Val	Val	Asn	Ile	Gln	Lys	Asp	Pro	Gly	Glu		
				410					415							420
Ser	Leu	Gly	Met	Ala	Val	Ala	Gly	Gly	Ala	Ser	His	Arg	Glu	Trp		
				425					430							435
Asp	Leu	Pro	Ile	Tyr	Val	Ile	Ser	Val	Glu	Pro	Gly	Gly	Val	Ile		
				440					445							450
Ser	Arg	Asp	Gly	Arg	Ile	Lys	Thr	Gly	Asp	Ile	Leu	Leu	Asn	Val		
				455					460							465
Asp	Gly	Val	Glu	Leu	Thr	Glu	Val	Ser	Arg	Ser	Glu	Ala	Val	Ala		
				470					475							480
Leu	Leu	Lys	Arg	Thr	Ser	Ser	Ser	Ile	Val	Leu	Lys	Ala	Leu	Glu		
				485					490							495
Val	Lys	Glu	Tyr	Glu	Pro	Gln	Glu	Asp	Cys	Ser	Ser	Pro	Ala	Ala		
				500					505							510
Leu	Asp	Ser	Asn	His	Asn	Met	Ala	Pro	Pro	Ser	Asp	Trp	Ser	Pro		
				515					520							525
Ser	Trp	Val	Met	Trp	Leu	Glu	Leu	Pro	Arg	Cys	Leu	Tyr	Asn	Cys		
				530					535							540
Lys	Asp	Ile	Val	Leu	Arg	Arg	Asn	Thr	Ala	Gly	Ser	Leu	Gly	Phe		
				545					550							555
Cys	Ile	Val	Gly	Gly	Tyr	Glu	Glu	Tyr	Asn	Gly	Asn	Lys	Pro	Phe		
				560					565							570
Phe	Ile	Lys	Ser	Ile	Val	Glu	Gly	Thr	Pro	Ala	Tyr	Asn	Asp	Gly		
				575					580							585
Arg	Ile	Arg	Cys	Gly	Asp	Ile	Leu	Leu	Ala	Val	Asn	Gly	Arg	Ser		
				590					595							600
Thr	Ser	Gly	Met	Ile	His	Ala	Cys	Leu	Ala	Arg	Leu	Leu	Lys	Glu		
				605					610							615
Leu	Lys	Gly	Arg	Ile	Thr	Leu	Thr	Ile	Val	Ser	Trp	Pro	Gly	Thr		
				620					625							630
Phe	Leu															

<210> 15
 <211> 391
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 1311833CD1

<400> 15
 Met Lys Met Lys Ile Gln Lys Lys Glu Lys Gln Leu Ser Asn Leu
 1 5 10 15
 Lys Val Leu Asn His Ser Pro Met Ser Asp Ala Ser Val Asn Phe
 20 25 30
 Asp Tyr Lys Ser Pro Ser Pro Phe Asp Cys Ser Thr Asp Gln Glu
 35 40 45
 Glu Lys Ile Glu Asp Val Ala Ser His Cys Leu Pro Gln Lys Asp
 50 55 60
 Leu Tyr Thr Ala Glu Glu Glu Ala Ala Thr Leu Phe Pro Arg Lys
 65 70 75
 Met Thr Ser His Asn Gly Met Glu Asp Ser Gly Gly Gly Gly Thr
 80 85 90
 Gly Val Lys Lys Lys Arg Lys Lys Lys Glu Pro Gly Asp Gln Glu
 95 100 105
 Gly Ala Ala Lys Gly Ser Lys Asp Arg Glu Pro Lys Pro Lys Arg
 110 115 120
 Lys Arg Glu Pro Lys Glu Pro Lys Glu Pro Arg Lys Ala Lys Glu
 125 130 135
 Pro Lys Lys Ala Lys Glu His Lys Glu Pro Lys Gln Lys Asp Gly
 140 145 150
 Ala Lys Lys Ala Arg Lys Pro Arg Glu Ala Ser Gly Thr Lys Glu
 155 160 165
 Ala Lys Glu Lys Arg Ser Cys Thr Asp Ser Ala Ala Arg Thr Lys
 170 175 180
 Ser Arg Lys Ala Ser Lys Glu Gln Gly Pro Thr Pro Val Glu Lys
 185 190 195
 Lys Lys Lys Gly Lys Arg Lys Ser Glu Thr Thr Val Glu Ser Leu
 200 205 210
 Glu Leu Asp Gln Gly Leu Thr Asn Pro Ser Leu Arg Ser Pro Glu
 215 220 225
 Glu Ser Thr Glu Ser Thr Asp Ser Gln Lys Arg Arg Ser Gly Arg
 230 235 240
 Gln Val Lys Arg Arg Lys Tyr Asn Glu Asp Leu Asp Phe Lys Val
 245 250 255
 Val Asp Asp Asp Gly Glu Thr Ile Ala Val Leu Gly Ala Gly Arg
 260 265 270
 Thr Ser Ala Leu Ser Ala Ser Thr Leu Ala Trp Gln Ala Glu Glu
 275 280 285
 Pro Pro Glu Asp Asp Ala Asn Ile Ile Glu Lys Ile Leu Ala Ser
 290 295 300
 Lys Thr Val Gln Glu Val His Pro Gly Glu Pro Pro Phe Asp Leu
 305 310 315
 Glu Leu Phe Tyr Val Lys Tyr Arg Asn Phe Ser Tyr Leu His Cys
 320 325 330
 Lys Trp Ala Thr Met Glu Glu Leu Glu Lys Asp Pro Arg Ile Ala

	335		340		345
Gln Lys Ile Lys Arg Phe Arg Asn Lys		Gln Ala Gln Met Lys His			
	350		355		360
Ile Phe Thr Glu Val Lys Gln Tyr Leu		Leu Thr His Leu Thr Ala			
	365		370		375
Ala Phe Leu Ala Ala Val Asn Thr Val		Phe Thr Phe Leu Ser Pro			
	380		385		390
Ser					

<210> 16

<211> 490

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1342819CD1

<400> 16

Met Glu Asp Ser Ala Ser Ala Ser Leu Ser Ser Ala Ala Ala Thr		
1	5	10
Gly Thr Ser Thr Ser Thr Pro Ala Ala Pro Thr Ala Arg Lys Gln		
	20	25
Leu Asp Lys Glu Gln Val Arg Lys Ala Val Asp Ala Leu Leu Thr		
	35	40
His Cys Lys Ser Arg Lys Asn Asn Tyr Gly Leu Leu Leu Asn Glu		
	50	55
Asn Glu Ser Leu Phe Leu Met Val Val Leu Trp Lys Ile Pro Ser		
	65	70
Lys Glu Leu Arg Val Arg Leu Thr Leu Pro His Ser Ile Arg Ser		
	80	85
Asp Ser Glu Asp Ile Cys Leu Phe Thr Lys Asp Glu Pro Asn Ser		
	95	100
Thr Pro Glu Lys Thr Glu Gln Phe Tyr Arg Lys Leu Leu Asn Lys		
	110	115
His Gly Ile Lys Thr Val Ser Gln Ile Ile Ser Leu Gln Thr Leu		
	125	130
Lys Lys Glu Tyr Lys Ser Tyr Glu Ala Lys Leu Arg Leu Leu Ser		
	140	145
Ser Phe Asp Phe Phe Leu Thr Asp Ala Arg Ile Arg Arg Leu Leu		
	155	160
Pro Ser Leu Ile Gly Arg His Phe Tyr Gln Arg Lys Lys Val Pro		
	170	175
Val Ser Val Asn Leu Leu Ser Lys Asn Leu Ser Arg Glu Ile Asn		
	185	190
Asp Cys Ile Gly Gly Thr Val Leu Asn Ile Ser Lys Ser Gly Ser		
	200	205
Cys Ser Ala Ile Arg Ile Gly His Val Gly Met Gln Ile Glu His		
	215	220
Ile Ile Glu Asn Ile Val Ala Val Thr Lys Gly Leu Ser Glu Lys		
	230	235
Leu Pro Glu Lys Trp Glu Ser Val Lys Leu Leu Phe Val Lys Thr		
	245	250
Glu Lys Ser Ala Ala Leu Pro Ile Phe Ser Ser Phe Val Ser Asn		

260	265	270
Trp Asp Glu Ala Thr Lys Arg Ser Leu	Leu Asn Lys Lys Lys Lys	
275	280	285
Glu Ala Arg Arg Lys Arg Arg Glu Arg	Asn Phe Glu Lys Gln Lys	
290	295	300
Glu Arg Lys Lys Lys Arg Gln Gln Ala	Arg Lys Thr Ala Ser Val	
305	310	315
Leu Ser Lys Asp Asp Val Ala Pro Glu	Ser Gly Asp Thr Thr Val	
320	325	330
Lys Lys Pro Glu Ser Lys Lys Glu Gln	Thr Pro Glu His Gly Lys	
335	340	345
Lys Lys Arg Gly Arg Gly Lys Ala Gln	Val Lys Ala Thr Asn Glu	
350	355	360
Ser Glu Asp Glu Ile Pro Gln Leu Val	Pro Ile Gly Lys Lys Thr	
365	370	375
Pro Ala Asn Glu Lys Val Glu Ile Gln	Lys His Ala Thr Gly Lys	
380	385	390
Lys Ser Pro Ala Lys Ser Pro Asn Pro	Ser Thr Pro Arg Gly Lys	
395	400	405
Lys Arg Lys Ala Leu Pro Ala Ser Glu	Thr Pro Lys Ala Ala Glu	
410	415	420
Ser Glu Thr Pro Gly Lys Ser Pro Glu	Lys Lys Pro Lys Ile Lys	
425	430	435
Glu Glu Ala Val Lys Glu Lys Ser Pro	Ser Leu Gly Lys Lys Asp	
440	445	450
Ala Arg Gln Thr Pro Lys Lys Pro Glu	Ala Lys Phe Phe Thr Thr	
455	460	465
Pro Ser Lys Ser Val Arg Lys Ala Ser	His Thr Pro Lys Lys Trp	
470	475	480
Pro Lys Lys Pro Lys Val Pro Gln Ser	Thr	
485	490	

<210> 17

<211> 252

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1871288CD1

<400> 17

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Met Met Val Met Val Val Val Ile Thr Cys Leu Leu Ser His Tyr	
20 25 30	
Lys Leu Ser Ala Arg Ser Phe Ile Ser Arg His Ser Gln Gly Arg	
35 40 45	
Arg Arg Glu Asp Ala Leu Ser Ser Glu Gly Cys Leu Trp Pro Ser	
50 55 60	
Glu Ser Thr Val Ser Gly Asn Gly Ile Pro Glu Pro Gln Val Tyr	
65 70 75	
Ala Pro Pro Arg Pro Thr Asp Arg Leu Ala Val Pro Pro Phe Ala	
80 85 90	

Gln	Arg	Glu	Arg	Phe	His	Arg	Phe	Gln	Pro	Thr	Tyr	Pro	Tyr	Leu
				95					100					105
Gln	His	Glu	Ile	Asp	Leu	Pro	Pro	Thr	Ile	Ser	Leu	Ser	Asp	Gly
				110					115					120
Glu	Glu	Pro	Pro	Pro	Tyr	Gln	Gly	Pro	Cys	Thr	Leu	Gln	Leu	Arg
				125					130					135
Asp	Pro	Glu	Gln	Gln	Leu	Glu	Leu	Asn	Arg	Glu	Ser	Val	Arg	Ala
				140					145					150
Pro	Pro	Asn	Arg	Thr	Ile	Phe	Asp	Ser	Asp	Leu	Met	Asp	Ser	Ala
				155					160					165
Arg	Leu	Gly	Gly	Pro	Cys	Pro	Pro	Ser	Ser	Asn	Ser	Gly	Ile	Ser
				170					175					180
Ala	Thr	Cys	Tyr	Gly	Ser	Gly	Gly	Arg	Met	Glu	Gly	Pro	Pro	Pro
				185					190					195
Thr	Tyr	Ser	Glu	Val	Ile	Gly	His	Tyr	Pro	Gly	Ser	Ser	Phe	Gln
				200					205					210
His	Gln	Gln	Ser	Ser	Gly	Pro	Pro	Ser	Leu	Leu	Glu	Gly	Thr	Arg
				215					220					225
Leu	His	His	Thr	His	Ile	Ala	Pro	Leu	Glu	Ser	Ala	Ala	Ile	Trp
				230					235					240
Ser	Lys	Glu	Lys	Asp	Lys	Gln	Lys	Gly	His	Pro	Leu			
				245					250					

<210> 18

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2587338CD1

<400> 18

Met	Glu	Ser	Ala	Arg	Glu	Asn	Ile	Asp	Leu	Gln	Pro	Gly	Ser	Ser
1				5					10					15
Asp	Pro	Arg	Ser	Gln	Pro	Ile	Asn	Leu	Asn	His	Tyr	Ala	Thr	Lys
				20					25					30
Lys	Ser	Val	Ala	Glu	Ser	Met	Leu	Asp	Val	Ala	Leu	Phe	Met	Ser
				35					40					45
Asn	Ala	Met	Arg	Leu	Lys	Ala	Val	Leu	Glu	Gln	Gly	Pro	Ser	Ser
				50					55					60
His	Tyr	Tyr	Thr	Thr	Leu	Val	Thr	Leu	Ile	Ser	Leu	Ser	Leu	Leu
				65					70					75
Leu	Gln	Val	Val	Ile	Gly	Val	Leu	Leu	Val	Val	Ile	Ala	Arg	Leu
				80					85					90
Asn	Leu	Asn	Glu	Val	Glu	Lys	Gln	Trp	Arg	Leu	Asn	Gln	Leu	Asn
				95					100					105
Asn	Gly	Ser	His	Ile	Leu	Val	Phe	Phe	Thr	Val	Val	Ile	Asn	Gly
				110					115					120
Phe	Ile	Thr	Gly	Phe	Gly	Ala	His	Lys	Thr	Arg	Val	Leu	Ala	Cys
				125					130					135
Gln	Asp	Ser	Arg	Asn	Pro	Leu								
				140										

<210> 19
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2821211CD1

<400> 19
 Met Glu Ile Ile Glu Asn Ser Phe His Ile Asn Gly Leu Lys Ile
 1 5 10 15
 Asn Gln Arg Thr Leu Cys Val His Val Cys Ile Ser Ala His Arg
 20 25 30
 Asn Ile Tyr Thr Tyr Val Asp Tyr Ile His Val Cys Ile Tyr Val
 35 40 45
 Tyr Ile Tyr Ile His Leu Tyr Lys Cys Ile Tyr Thr Tyr Thr Tyr
 50 55 60
 Asn Val Cys Met Cys Ile Tyr
 65

<210> 20
 <211> 455
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2824832CD1

<400> 20
 Met Phe Gln Phe His Ala Gly Ser Trp Glu Ser Trp Cys Cys Cys
 1 5 10 15
 Cys Leu Ile Pro Ala Asp Arg Pro Trp Asp Arg Gly Gln His Trp
 20 25 30
 Gln Leu Glu Met Ala Asp Thr Arg Ser Val His Glu Thr Arg Phe
 35 40 45
 Glu Ala Ala Val Lys Val Ile Gln Ser Leu Pro Lys Asn Gly Ser
 50 55 60
 Phe Gln Pro Thr Asn Glu Met Met Leu Lys Phe Tyr Ser Phe Tyr
 65 70 75
 Lys Gln Ala Thr Glu Gly Pro Cys Lys Leu Ser Arg Pro Gly Phe
 80 85 90
 Trp Asp Pro Ile Gly Arg Tyr Lys Trp Asp Ala Trp Ser Ser Leu
 95 100 105
 Gly Asp Met Thr Lys Glu Glu Ala Met Ile Ala Tyr Val Glu Glu
 110 115 120
 Met Lys Lys Ile Ile Glu Thr Met Pro Met Thr Glu Lys Val Glu
 125 130 135
 Glu Leu Leu Arg Val Ile Gly Pro Phe Tyr Glu Ile Val Glu Asp
 140 145 150
 Lys Lys Ser Gly Arg Ser Ser Asp Ile Thr Ser Asp Leu Gly Asn

	155		160		165
Val Leu Thr Ser	Thr Pro Asn Ala Lys	Thr Val Asn Gly Lys	Ala		
	170		175		180
Glu Ser Ser Asp	Ser Gly Ala Glu Ser	Glu Glu Glu Glu Ala	Gln		
	185		190		195
Glu Glu Val Lys	Gly Ala Glu Gln Ser	Asp Asn Asp Ile Asn	Asp		
	200		205		210
Asp His Val Glu	Asp Val Thr Gly Ile	Gln His Leu Thr Ser	Asp		
	215		220		225
Ser Asp Ser Glu	Val Tyr Cys Asp Ser	Met Glu Gln Phe Gly	Gln		
	230		235		240
Glu Glu Ser Leu	Asp Ser Phe Thr Ser	Asn Asn Gly Pro Phe	Gln		
	245		250		255
Tyr Tyr Leu Gly	Gly His Ser Ser Gln	Pro Met Glu Asn Ser	Gly		
	260		265		270
Phe Arg Glu Asp	Ile Gln Val Pro Pro	Gly Asn Gly Asn Ile	Gly		
	275		280		285
Asn Met Gln Val	Val Ala Val Glu Gly	Lys Gly Glu Val Lys	His		
	290		295		300
Gly Gly Glu Asp	Gly Arg Asn Asn Ser	Gly Ala Pro His Arg	Glu		
	305		310		315
Lys Arg Gly Gly	Glu Thr Asp Glu Phe	Ser Asn Val Arg Arg	Gly		
	320		325		330
Arg Gly His Arg	Met Gln His Leu Ser	Glu Gly Thr Lys Gly	Arg		
	335		340		345
Gln Val Gly Ser	Gly Gly Asp Gly Glu	Arg Trp Gly Ser Asp	Arg		
	350		355		360
Gly Ser Arg Gly	Ser Leu Asn Glu Gln	Ile Ala Leu Val Leu	Met		
	365		370		375
Arg Leu Gln Glu	Asp Met Gln Asn Val	Leu Gln Arg Leu Gln	Lys		
	380		385		390
Leu Glu Thr Leu	Thr Ala Leu Gln Ala	Lys Ser Ser Thr Ser	Thr		
	395		400		405
Leu Gln Thr Ala	Pro Gln Pro Thr Ser	Gln Arg Pro Ser Trp	Trp		
	410		415		420
Pro Phe Glu Met	Ser Pro Gly Val Leu	Thr Phe Ala Ile Ile	Trp		
	425		430		435
Pro Phe Ile Ala	Gln Trp Leu Val Tyr	Leu Tyr Tyr Gln Arg	Arg		
	440		445		450
Arg Arg Lys Leu	Asn				
	455				

<210> 21
 <211> 252
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 3070147CD1

<400> 21
 Met Gln Leu Thr Arg Cys Cys Phe Val Phe Leu Val Gln Gly Ser
 1 5 10 15


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Leu Tyr Leu Val Ile Cys Gly Gln Asp Asp Gly Pro Pro Gly Ser
      20      25      30
Glu Asp Pro Glu Arg Asp Asp His Glu Gly Gln Pro Arg Pro Arg
      35      40      45
Val Pro Arg Lys Arg Gly His Ile Ser Pro Lys Ser Arg Pro Met
      50      55      60
Ala Asn Ser Thr Leu Leu Gly Leu Leu Ala Pro Thr Gly Glu Ala
      65      70      75
Trp Gly Ile Leu Gly Gln Pro Pro Asn Arg Pro Asn His Ser Pro
      80      85      90
Pro Pro Ser Ala Lys Val Lys Lys Ile Phe Gly Trp Gly Asp Phe
      95     100     105
Tyr Ser Asn Ile Lys Thr Val Ala Leu Asn Leu Leu Val Thr Gly
     110     115     120
Lys Ile Val Asp His Gly Asn Gly Thr Phe Ser Val His Phe Gln
     125     130     135
His Asn Ala Thr Gly Gln Gly Asn Ile Ser Ile Ser Leu Val Pro
     140     145     150
Pro Ser Lys Ala Val Glu Phe His Gln Glu Gln Gln Ile Phe Ile
     155     160     165
Glu Ala Lys Ala Ser Lys Ile Phe Asn Cys Arg Met Glu Trp Glu
     170     175     180
Lys Val Glu Arg Gly Arg Arg Thr Ser Leu Cys Thr His Asp Pro
     185     190     195
Ala Lys Ile Cys Ser Arg Asp His Ala Gln Ser Ser Ala Thr Trp
     200     205     210
Ser Cys Ser Gln Pro Phe Lys Val Val Cys Val Tyr Ile Ala Phe
     215     220     225
Tyr Ser Thr Asp Tyr Arg Leu Val Gln Lys Val Cys Pro Asp Tyr
     230     235     240
Asn Tyr His Ser Asp Thr Pro Tyr Tyr Pro Ser Gly
     245     250

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<210> 22

<211> 149

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 3271841CD1

<400> 22

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Met Glu Ser Arg Gly Lys Ser Ala Ser Ser Pro Lys Pro Asp Thr
  1      5      10      15
Lys Val Pro Gln Val Thr Thr Glu Ala Lys Val Pro Pro Ala Ala
      20      25      30
Asp Gly Lys Ala Pro Leu Thr Lys Pro Ser Lys Lys Glu Ala Pro
      35      40      45
Ala Glu Lys Gln Gln Pro Pro Ala Ala Pro Thr Thr Ala Pro Ala
      50      55      60
Lys Lys Thr Ser Ala Lys Ala Asp Pro Ala Leu Leu Asn Asn His
      65      70      75
Ser Asn Leu Lys Pro Ala Pro Thr Val Pro Ser Ser Pro Asp Ala

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	80		85		90									
Thr	Pro	Glu	Pro	Lys	Gly	Pro	Gly	Asp	Gly	Ala	Glu	Glu	Asp	Glu
	95								100					105
Ala	Ala	Ser	Gly	Gly	Pro	Gly	Gly	Arg	Gly	Pro	Trp	Ser	Cys	Glu
	110								115					120
Asn	Phe	Asn	Pro	Leu	Leu	Val	Ala	Gly	Gly	Val	Ala	Val	Ala	Ala
	125								130					135
Ile	Ala	Leu	Ile	Leu	Gly	Val	Ala	Phe	Leu	Val	Arg	Lys	Lys	
	140								145					

<210> 23
 <211> 204
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 3537827CD1

<400> 23

Met	Met	Pro	Ser	Cys	Asn	Arg	Ser	Cys	Ser	Cys	Ser	Arg	Gly	Pro
1				5					10					15
Ser	Val	Glu	Asp	Gly	Lys	Trp	Tyr	Gly	Val	Arg	Ser	Tyr	Leu	His
				20					25					30
Leu	Phe	Tyr	Glu	Asp	Cys	Ala	Gly	Thr	Ala	Leu	Ser	Asp	Asp	Pro
				35					40					45
Glu	Gly	Pro	Pro	Val	Leu	Cys	Pro	Arg	Arg	Pro	Trp	Pro	Ser	Leu
				50					55					60
Cys	Trp	Lys	Ile	Ser	Leu	Ser	Ser	Gly	Thr	Leu	Leu	Leu	Leu	Leu
				65					70					75
Gly	Val	Ala	Ala	Leu	Thr	Thr	Gly	Tyr	Ala	Val	Pro	Pro	Lys	Leu
				80					85					90
Glu	Gly	Ile	Gly	Glu	Gly	Glu	Phe	Leu	Val	Leu	Asp	Gln	Arg	Ala
				95					100					105
Ala	Asp	Tyr	Asn	Gln	Ala	Leu	Gly	Thr	Cys	Arg	Leu	Ala	Gly	Thr
				110					115					120
Ala	Leu	Cys	Val	Ala	Ala	Gly	Val	Leu	Leu	Ala	Ile	Cys	Leu	Phe
				125					130					135
Trp	Ala	Met	Ile	Gly	Trp	Leu	Ser	Gln	Asp	Thr	Lys	Ala	Glu	Pro
				140					145					150
Leu	Asp	Pro	Glu	Ala	Asp	Ser	His	Val	Glu	Val	Phe	Gly	Asp	Glu
				155					160					165
Pro	Glu	Gln	Gln	Leu	Ser	Pro	Ile	Phe	Arg	Asn	Ala	Ser	Gly	Gln
				170					175					180
Ser	Trp	Phe	Ser	Pro	Pro	Ala	Ser	Pro	Phe	Gly	Gln	Ser	Ser	Val
				185					190					195
Gln	Thr	Ile	Gln	Pro	Lys	Arg	Asp	Ser						
				200										

<210> 24
 <211> 367
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 3729267CD1

<400> 24

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Met Ala Ser Glu Leu Cys Lys Thr Ile Ser Val Ala Arg Leu Glu
 1          5          10          15
Lys His Lys Asn Leu Phe Leu Asn Tyr Arg Asn Leu His His Phe
          20          25          30
Pro Leu Glu Leu Leu Lys Asp Glu Gly Leu Gln Tyr Leu Glu Arg
          35          40          45
Leu Tyr Met Lys Arg Asn Ser Leu Thr Ser Leu Pro Glu Asn Leu
          50          55          60
Ala Gln Lys Leu Pro Asn Leu Val Glu Leu Tyr Leu His Ser Asn
          65          70          75
Asn Ile Val Val Val Pro Glu Ala Ile Gly Ser Leu Val Lys Leu
          80          85          90
Gln Cys Leu Asp Leu Ser Asp Asn Ala Leu Glu Ile Val Cys Pro
          95          100          105
Glu Ile Gly Arg Leu Arg Ala Leu Arg His Leu Arg Leu Ala Asn
          110          115          120
Asn Gln Leu Gln Phe Leu Pro Pro Glu Val Gly Asp Leu Lys Glu
          125          130          135
Leu Gln Thr Leu Asp Ile Ser Thr Asn Arg Leu Leu Thr Leu Pro
          140          145          150
Glu Arg Leu His Met Cys Leu Ser Leu Gln Tyr Leu Thr Val Asp
          155          160          165
Arg Asn Arg Leu Trp Tyr Val Pro Arg His Leu Cys Gln Leu Pro
          170          175          180
Ser Leu Asn Glu Leu Ser Met Ala Gly Asn Arg Leu Ala Phe Leu
          185          190          195
Pro Leu Asp Leu Gly Arg Ser Arg Glu Leu Gln Tyr Val Tyr Val
          200          205          210
Asp Asn Asn Ile His Leu Lys Gly Leu Pro Ser Tyr Leu Tyr Asn
          215          220          225
Lys Val Ile Gly Cys Ser Gly Cys Gly Ala Pro Ile Gln Val Ser
          230          235          240
Glu Val Lys Leu Leu Ser Phe Ser Ser Gly Gln Arg Thr Val Phe
          245          250          255
Leu Pro Ala Glu Val Lys Ala Ile Gly Thr Glu His Asp His Val
          260          265          270
Leu Pro Leu Gln Glu Leu Ala Met Arg Gly Leu Tyr His Thr Tyr
          275          280          285
His Ser Leu Leu Lys Asp Leu Asn Phe Leu Ser Pro Ile Ser Leu
          290          295          300
Pro Arg Ser Leu Leu Glu Leu Leu His Cys Pro Leu Gly His Cys
          305          310          315
His Arg Cys Ser Glu Pro Met Phe Thr Ile Val Tyr Pro Lys Leu
          320          325          330
Phe Pro Leu Arg Glu Thr Pro Met Ala Gly Leu His Gln Trp Lys
          335          340          345
Thr Thr Val Ser Phe Val Ala Tyr Cys Cys Ser Thr Gln Cys Leu
          350          355          360
Gln Thr Phe Asp Leu Leu Ser
          365

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<210> 25
 <211> 681
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No.: 3768771CD1

<400> 25
 Met Cys Thr Tyr Ile Asn Met Glu Asn Phe Thr Leu Ala Arg Asp
 1 5 10 15
 Glu Lys Gly Asn Val Leu Leu Glu Asp Gly Lys Gly Arg Cys Pro
 20 25 30
 Phe Asp Pro Asn Phe Lys Ser Thr Ala Leu Val Val Asp Gly Glu
 35 40 45
 Leu Tyr Thr Gly Thr Val Ser Ser Phe Gln Gly Asn Asp Pro Ala
 50 55 60
 Ile Ser Arg Ser Gln Ser Leu Arg Pro Thr Lys Thr Glu Ser Ser
 65 70 75
 Leu Asn Trp Leu Gln Asp Pro Ala Phe Val Ala Ser Ala Tyr Ile
 80 85 90
 Pro Glu Ser Leu Gly Ser Leu Gln Gly Asp Asp Asp Lys Ile Tyr
 95 100 105
 Phe Phe Phe Ser Glu Thr Gly Gln Glu Phe Glu Phe Phe Glu Asn
 110 115 120
 Thr Ile Val Ser Arg Ile Ala Arg Ile Cys Lys Gly Asp Glu Gly
 125 130 135
 Gly Glu Arg Val Leu Gln Gln Arg Trp Thr Ser Phe Leu Lys Ala
 140 145 150
 Gln Leu Leu Cys Ser Arg Pro Asp Asp Gly Phe Pro Phe Asn Val
 155 160 165
 Leu Gln Asp Val Phe Thr Leu Ser Pro Ser Pro Gln Asp Trp Arg
 170 175 180
 Asp Thr Leu Phe Tyr Gly Val Phe Thr Ser Gln Trp His Arg Gly
 185 190 195
 Thr Thr Glu Gly Ser Ala Val Cys Val Phe Thr Met Lys Asp Val
 200 205 210
 Gln Arg Val Phe Ser Gly Leu Tyr Lys Glu Val Asn Arg Glu Thr
 215 220 225
 Gln Gln Trp Tyr Thr Val Thr His Pro Val Pro Thr Pro Arg Pro
 230 235 240
 Gly Ala Cys Ile Thr Asn Ser Ala Arg Glu Arg Lys Ile Asn Ser
 245 250 255
 Ser Leu Gln Leu Pro Asp Arg Val Leu Asn Phe Leu Lys Asp His
 260 265 270
 Phe Leu Met Asp Gly Gln Val Arg Ser Arg Met Leu Leu Leu Gln
 275 280 285
 Pro Gln Ala Arg Tyr Gln Arg Val Ala Val His Arg Val Pro Gly
 290 295 300
 Leu His His Thr Tyr Asp Val Leu Phe Leu Gly Thr Gly Asp Gly
 305 310 315

Arg	Leu	His	Lys	Ala	Val	Ser	Val	Gly	Pro	Arg	Val	His	Ile	Ile
				320					325					330
Glu	Glu	Leu	Gln	Ile	Phe	Ser	Ser	Gly	Gln	Pro	Val	Gln	Asn	Leu
				335					340					345
Leu	Leu	Asp	Thr	His	Arg	Gly	Leu	Leu	Tyr	Ala	Ala	Ser	His	Ser
				350					355					360
Gly	Val	Val	Gln	Val	Pro	Met	Ala	Asn	Cys	Ser	Leu	Tyr	Arg	Ser
				365					370					375
Cys	Gly	Asp	Cys	Leu	Leu	Ala	Arg	Asp	Pro	Tyr	Cys	Ala	Trp	Ser
				380					385					390
Gly	Ser	Ser	Cys	Lys	His	Val	Ser	Leu	Tyr	Gln	Pro	Gln	Leu	Ala
				395					400					405
Thr	Arg	Pro	Trp	Ile	Gln	Asp	Ile	Glu	Gly	Ala	Ser	Ala	Lys	Asp
				410					415					420
Leu	Cys	Ser	Ala	Ser	Ser	Val	Val	Ser	Pro	Ser	Phe	Val	Pro	Thr
				425					430					435
Gly	Glu	Lys	Pro	Cys	Glu	Gln	Val	Gln	Phe	Gln	Pro	Asn	Thr	Val
				440					445					450
Asn	Thr	Leu	Ala	Cys	Pro	Leu	Leu	Ser	Asn	Leu	Ala	Thr	Arg	Leu
				455					460					465
Trp	Leu	Arg	Asn	Gly	Ala	Pro	Val	Asn	Ala	Ser	Ala	Ser	Cys	His
				470					475					480
Val	Leu	Pro	Thr	Gly	Asp	Leu	Leu	Leu	Val	Gly	Thr	Gln	Gln	Leu
				485					490					495
Gly	Glu	Phe	Gln	Cys	Trp	Ser	Leu	Glu	Glu	Gly	Phe	Gln	Gln	Leu
				500					505					510
Val	Ala	Ser	Tyr	Cys	Pro	Glu	Val	Val	Glu	Asp	Gly	Val	Ala	Asp
				515					520					525
Gln	Thr	Asp	Glu	Gly	Gly	Ser	Val	Pro	Val	Ile	Ile	Ser	Thr	Ser
				530					535					540
Arg	Val	Ser	Ala	Pro	Ala	Gly	Gly	Lys	Ala	Ser	Trp	Gly	Ala	Asp
				545					550					555
Arg	Ser	Tyr	Trp	Lys	Glu	Phe	Leu	Val	Met	Cys	Thr	Leu	Phe	Val
				560					565					570
Leu	Ala	Val	Leu	Leu	Pro	Val	Leu	Phe	Leu	Leu	Tyr	Arg	His	Arg
				575					580					585
Asn	Ser	Met	Lys	Val	Phe	Leu	Lys	Gln	Gly	Glu	Cys	Ala	Ser	Val
				590					595					600
His	Pro	Lys	Thr	Cys	Pro	Val	Val	Leu	Pro	Pro	Glu	Thr	Arg	Pro
				605					610					615
Leu	Asn	Gly	Leu	Gly	Pro	Pro	Ser	Thr	Pro	Leu	Asp	His	Arg	Gly
				620					625					630
Tyr	Gln	Ser	Leu	Ser	Asp	Ser	Pro	Pro	Gly	Ser	Arg	Val	Phe	Thr
				635					640					645
Glu	Ser	Glu	Lys	Arg	Pro	Leu	Ser	Ile	Gln	Asp	Ser	Phe	Val	Glu
				650					655					660
Val	Ser	Pro	Val	Cys	Pro	Arg	Pro	Arg	Val	Arg	Leu	Gly	Ser	Glu
				665					670					675
Ile	Arg	Asp	Ser	Val	Val									
				680										

<210> 26
 <211> 137
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 4248993CD1

<400> 26
 Met Gly Arg Lys Leu Asp Leu Ser Gly Leu Thr Asp Asp Glu Thr
 1 5 10 15
 Glu His Val Leu Gln Val Val Gln Arg Asp Phe Asn Leu Arg Lys
 20 25 30
 Lys Glu Glu Glu Arg Leu Ser Glu Leu Lys Gln Lys Leu Asp Glu
 35 40 45
 Glu Gly Ser Lys Cys Ser Ile Leu Ser Lys His Gln Gln Phe Val
 50 55 60
 Glu His Cys Cys Met Arg Cys Cys Ser Pro Phe Thr Phe Leu Val
 65 70 75
 Asn Thr Lys Arg Gln Cys Gly Asp Cys Lys Phe Asn Val Cys Lys
 80 85 90
 Ser Cys Cys Ser Tyr Gln Lys His Glu Lys Ala Trp Val Cys Cys
 95 100 105
 Val Cys Gln Gln Ala Arg Leu Leu Arg Ala Gln Ser Leu Glu Trp
 110 115 120
 Phe Tyr Asn Asn Val Lys Ser Arg Phe Lys Arg Phe Gly Ser Ala
 125 130 135
 Arg Phe

<210> 27
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 5402418CD1

<400> 27
 Met Lys Phe Gln Tyr Lys Glu Asp His Pro Phe Glu Tyr Arg Lys
 1 5 10 15
 Lys Glu Gly Glu Lys Ile Arg Lys Lys Tyr Pro Asp Arg Val Pro
 20 25 30
 Val Ile Val Glu Lys Ala Pro Lys Ala Arg Val Pro Asp Leu Asp
 35 40 45
 Lys Arg Lys Tyr Leu Val Pro Ser Asp Leu Thr Val Gly Gln Phe
 50 55 60
 Tyr Phe Leu Ile Arg Lys Arg Ile His Leu Arg Pro Glu Asp Ala
 65 70 75
 Leu Phe Phe Phe Val Asn Asn Thr Ile Pro Pro Thr Ser Ala Thr
 80 85 90

Met Gly Gln Leu Tyr Glu Asp Asn His Glu Glu Asp Tyr Phe Leu
 95 100 105
 Tyr Val Ala Tyr Ser Asp Glu Ser Val Tyr Gly Lys
 110 115

<210> 28
 <211> 1058
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2417014CB1

<400> 28
 cgagatcgca gcccaaccca tggccggggtc tcctagccgc gccgcggggcc ggcgactgca 60
 gcttcccctg ctgtgcctct tcctccaggg cgccactgcc gtccctctttg ctgtctttgt 120
 ccgctacaac cacaaaaccg acgctgccct ctggcaccgg agcaaccaca gtaacgcgga 180
 caatgaattt tactttcgct acccaaaaga gtctcactct gttgcccagg ctggagtgc 240
 acgacgcaat ctcggtcac tgcaaccttc acctcccaga tggagtttcg ctcttggttc 300
 ccaggctgga gtgcaatggc acaatctcgg ctcaccacaa cctctgcctc ccgggttcaa 360
 gcgattctcc tgcctcagtc tcctgagtag ctgggattac agcctggaga gtgtgtttcc 420
 actcatagcc gagggccagc gcagtgccac gtcacaggcc atgcaccagc tcttcgggct 480
 gtttgtcaca ctgatgtttg cctctgtggg cgggggcctt ggagggctcc tgctgaagct 540
 accctttctg gactccccc ccagactccc agcactacga ggaccaagtt cactggcagg 600
 tgccctggcga gcatgaggat aaagcccaga gacctctgag ggtggaggag gcagacactc 660
 aggcctaacc cactgccagc ccctgagagg acacgctcct tttcgaagat gctgactggc 720
 tgctactagg aagttctttt tgagctccca ttctccagc tgcaagaagg gagccatgag 780
 ccagaaggag gcccctttcc acaggcagcg tctccacagg gagaggggca acaggaggct 840
 gggaaatggt ggggagtggg gccgtaactg ggtacaatag ggggaacctc accagatgcc 900
 caaccgcact gccctaccag cctgcacatg ggtagaagag gccaaattga ggcacccaag 960
 tgatccactg gcccacgtc acacagttac agtgaagccc aagccaggcc tggttgaggg 1020
 tgataaacgc cactgtgcgc caccgcaaaa aaaaaaaa 1058

<210> 29
 <211> 2235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2634931CB1

<400> 29
 cggccacccg tccgaccaca ccagggaac tgtagtcca gtgcctggtt ccaccggggg 60
 ggcattctgag aactgtgtcc ttccattcct gagtccagca cttcccaggc caggaactca 120
 cacagctttt ggcctgagcc cccgttacca agagaaagga ggtttttgcc aaggactcca 180
 aggggagtgc acttgatgct ggtcgggacc caaagcacc agccctccct gagacattgt 240
 gtgagtcggg ctgggcctca aacacggccc ccactgcccc accccagcca ggggtggtgc 300
 tgtgtgggta ggactttaaa tccagctgcc agacccttg acgggagaag gagagacggc 360
 tggccaccat gcacggctcc tgcagtttcc tgatgcttct gctgccgcta ctgctactgc 420
 tgggtggccac cacaggcccc gttggagccc tcacagatga ggagaaacgt ttgatgggtg 480
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<223> Incyte ID No.: 3201753CB1

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<213> Homo sapiens

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<223> Incyte ID No.: 533825CB1

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<210> 42

<211> 1881

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1311833CB1

<400> 42

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<210> 43

<211> 1974

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1342819CB1

<400> 43

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aagccaagct ccgcttctg agcagttttg atttcttctt tactgatgcc agaattaggc 540
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<210> 44

<211> 1061

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1871288CB1

<400> 44

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<210> 45
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2587338CB1

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 gcagtggcga ctcaaccagc tcaacaacgg cagccacatc ttggtcttct tcactgtggg 420
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<210> 46
 <211> 1099
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No.: 2821211CB1

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 <211> 1727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 2824832CB1

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<210> 48
 <211> 951
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_Feature
 <223> Incyte ID No.: 3070147CB1

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 gctgctgctt cgtgttcctg gtgcagggtg gcctctatct ggtcatctgt ggccaggatg 180
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<210> 49

<211> 1624

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No.: 3271841CB1

<400> 49

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<210> 50

<211> 2080

<212> DNA

<213> Homo sapiens

<220>
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<210> 51
 <211> 1420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 3729267CB1

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 ctttgtaaga cgatctctgt ggcaaggcta gaaaagcaca agaatttgtt cttaaattat 180


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<210> 52

<211> 2703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 3768771CB1

<400> 52

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<210> 53

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 4248993CB1

<400> 53

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<210> 54

<211> 1293

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 5402418CB1

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<210> 55
 <211> 375
 <212> PRT
 <213> Homo sapiens

<300>
 <308> g3002527

<400> 55
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 Ile Ser Ala His Arg Asn Leu Arg Leu Pro Gly Ser Ser Asp Ser
 20 25 30
 Pro Ala Ser Ala Ser Pro Val Ala Gly Ile Thr Gly Met Cys Thr
 35 40 45
 His Ala Arg Leu Ile Leu Tyr Phe Phe Leu Val Glu Met Glu Phe
 50 55 60
 Leu His Val Gly Gln Ala Gly Leu Glu Leu Pro Thr Ser Asp Asp
 65 70 75
 Pro Ser Val Ser Ala Ser Gln Ser Ala Arg Tyr Arg Thr Gly His
 80 85 90
 His Ala Arg Leu Cys Leu Ala Asn Phe Cys Gly Arg Asn Arg Val
 95 100 105
 Ser Leu Met Cys Pro Ser Trp Ser Pro Glu Leu Lys Gln Ser Thr
 110 115 120
 Cys Leu Ser Leu Pro Lys Cys Trp Asp Tyr Arg Arg Ala Ala Val

	125		130		135
Pro Gly Leu Phe	Ile Leu Phe Phe Leu	Arg His Arg Cys Pro	Thr		
	140		145		150
Leu Thr Gln Asp	Glu Val Gln Trp Cys	Asp His Ser Ser Leu	Gln		
	155		160		165
Pro Ser Thr Pro	Glu Ile Lys His Pro	Pro Ala Ser Ala Ser	Gln		
	170		175		180
Val Ala Gly Thr	Lys Asp Met His His	Tyr Thr Trp Leu Ile	Phe		
	185		190		195
Ile Phe Ile Phe	Asn Phe Leu Arg Gln	Ser Leu Asn Ser Val	Thr		
	200		205		210
Gln Ala Gly Val	Gln Trp Arg Asn Leu	Gly Ser Leu Gln Pro	Leu		
	215		220		225
Pro Pro Gly Phe	Lys Leu Phe Ser Cys	Pro Ser Leu Leu Ser	Ser		
	230		235		240
Trp Asp Tyr Arg	Arg Pro Pro Arg Leu	Ala Asn Phe Phe Val	Phe		
	245		250		255
Leu Val Glu Met	Gly Phe Thr Met Phe	Ala Arg Leu Ile Leu	Ile		
	260		265		270
Ser Gly Pro Cys	Asp Leu Pro Ala Ser	Ala Ser Gln Ser Ala	Gly		
	275		280		285
Ile Thr Gly Val	Ser His His Ala Arg	Leu Ile Phe Asn Phe	Cys		
	290		295		300
Leu Phe Glu Met	Glu Ser His Ser Val	Thr Gln Ala Gly Val	Gln		
	305		310		315
Trp Pro Asn Leu	Gly Ser Leu Gln Pro	Leu Pro Pro Gly Leu	Lys		
	320		325		330
Arg Phe Ser Cys	Leu Ser Leu Pro Ser	Ser Trp Asp Tyr Gly	His		
	335		340		345
Leu Pro Pro His	Pro Ala Asn Phe Cys	Ile Phe Ile Arg Gly	Gly		
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Val Ser Pro Tyr	Leu Ser Gly Trp Ser	Gln Thr Pro Asp Leu	Arg		
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<210> 56

<211> 309

<212> PRT

<213> Homo sapiens

<300>

<308> g847722

<400> 56

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His Asn Lys Phe	Arg Ser Glu Val	Lys Pro Thr Ala	Ser Asp Met
	35	40	45
Leu Tyr Met Thr	Trp Asp Pro Ala	Leu Ala Gln Ile	Ala Lys Ala
	50	55	60
Trp Ala Ser Asn	Cys Gln Phe Ser	His Asn Thr Arg	Leu Lys Pro
	65	70	75
Pro His Lys Leu	His Pro Asn Phe	Thr Ser Leu Gly	Glu Asn Ile

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Trp Thr Gly Ser Val Pro Ile Phe Ser Val Ser Ser Ala Ile Thr					
	95		100		105
Asn Trp Tyr Asp Glu Ile Gln Asp Tyr Asn Phe Lys Thr Arg Ile					
	110		115		120
Cys Lys Lys Val Cys Gly His Tyr Thr Gln Val Val Trp Ala Asp					
	125		130		135
Ser Tyr Lys Val Gly Cys Ala Val Gln Phe Cys Pro Lys Val Ser					
	140		145		150
Gly Phe Asp Ala Leu Ser Asn Gly Ala His Phe Ile Cys Asn Tyr					
	155		160		165
Gly Pro Gly Gly Asn Tyr Pro Thr Trp Pro Tyr Lys Arg Gly Ala					
	170		175		180
Thr Cys Ser Ala Cys Pro Asn Asn Asp Lys Cys Leu Asp Asn Leu					
	185		190		195
Cys Val Asn Asp Ser Glu Thr Lys Ser Asn Val Thr Thr Met Leu					
	200		205		210
Tyr Ile Arg Leu Ala His Ile Ser Thr					
	215				